

Purchase Order Receipt Listing

Wednesday, January 11, 2017 9:22:03 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO34861 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34861	✓		M303R0.500	f	1/12/2017	1/11/2017	12.0000	\$3.41	0.0000	0	\$40.96
CAD	No		303 Round Bar 0.500" f m136568	f	12.0000	PLOU01		\$40.96	0.0000	0	
✓	2		M304R0.375	f	1/12/2017	1/11/2017	12.0000	\$3.41	0.0000	0	\$40.96
	No		304 ROUND BAR 0.375	f	12.0000	PLOU01		\$40.96	0.0000	0	
✓	3		m136568								
			M304R1.000	f	1/12/2017	1/11/2017	12.0000	\$6.10	0.0000	0	\$73.25
	No		304 round bar 1.00	f	12.0000	PLOU01		\$73.25	0.0000	0	
			m136568								
✓	4		M304S18GA	sf	1/12/2017	1/11/2017	80.0000	\$2.97	0.0000	0	\$237.54
	No		304/316 .050 Sheet	sf	80.0000	PLOU01	80.0000	\$237.54	0.0000	0	
			m136568								
✓	5		M304S20GA	sf	1/12/2017	1/11/2017	64.0000	\$3.17	0.0000	0	\$202.79
	No		304/316 .040 Sheet	sf	64.0000	PLOU01	64.0000	\$202.79	0.0000	0	
			m136568								
✓	6		M6061T6B1.000X04. f 000	f	1/12/2017	1/11/2017	12.0000	\$8.38	0.0000	0	\$100.55
	No		6061-T6 Bar 1.00 x 4.00	f	12.0000	PLOU01		\$100.55	0.0000	0	
			m136568								
✓	7		M6061T6B2.000X01. f 250	f	1/12/2017	1/11/2017	12.0000	\$5.36	0.0000	0	\$64.35
	No		6061-T6 Bar 2.00 x 1.25	f	12.0000	PLOU01		\$64.35	0.0000	0	
			m136568								
✓	9		M6061T6R1.000	f	1/12/2017	1/11/2017	12.0000	\$3.41	0.0000	0	\$40.96
	No		ROUND BAR 1.00" f m136568	f	12.0000	PLOU01		\$40.96	0.0000	0	

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34861	10		M6061T6R1.250	f	1/12/2017	1/11/2017	12.0000	\$3.41	0.0000	0	\$40.96
CAD	No		6061-T6 Round Bar 1.250 m136568	f	12.0000	PLOU01		\$40.96	0.0000	0	
Total Received Quantity:											
228.0000											
Total Qty to Inspect (PO U/M):											
0.0000											
Total Reject Quantity:											
0.0000											
Total Receipt Value:											
\$842.32											
Total Balance Due Quantity:											
0.0000											

B I L L O F L A D I N G

No: PEC 25195

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 10Jan17 at 10:53 From PFW
Probill

Via VIM DELIVERY
FOB CONCORD
Frt PREPAID

Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC- 3954- 1 Your PO # 34861
STAINLESS STEEL ROUND BAR 303 STAINLESS
.50" DIA X 144.0000"

Heat Number
428558

Tag No
605725

Quantity
12 FT

PCS
1

Wt LBS
8

2) Our Order PEC- 3954- 2 Your PO # 34861
STAINLESS STEEL ROUND BAR 304L
.375" DIA X 144.0000"

Heat Number
166V

Tag No
605726

Quantity
12 FT

PCS
1

Wt LBS
6

3) Our Order PEC- 3954- 3 Your PO # 34861
STAINLESS STEEL ROUND BAR 304L
1.00" DIA X 144.0000"

Heat Number
409698

Tag No
605727

Quantity
12 FT

PCS
1

Wt LBS
33

4) Our Order PEC- 3954- 4 Your PO # 34861
STAINLESS STEEL SHEET 304-2B
.0480 Nom X 48.0000" X 120.0000"

Heat Number
2170514

Tag No
605629

Quantity
80.00 SFT

PCS
2

Wt LBS
154

5) Our Order PEC- 3954- 5 Your PO # 34861
STAINLESS STEEL SHEET 304-2B
.0360 Nom X 48.0000" X 96.0000"

Heat Number
AOA010-AAD

Tag No
605630

Quantity
64.00 SFT

PCS
2

Wt LBS
92

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 25195
Ship Date 10Jan17 at 10:53 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC- 3954- 6 Your PO # 34861

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.0000"

Heat Number

201617200

Tag No

605728

Quantity

12 FT

PCS

1

Wt LBS

57

7) Our Order PEC- 3954- 7 Your PO # 34861

ALUMINUM FLAT BAR 6061-T6511

1.250" x 2.00" X 144.0000"

Heat Number

201617706

Tag No

605729

Quantity

12 FT

PCS

1

Wt LBS

36

8) Our Order PEC- 3954- 8 Your PO # 34861

ALUMINUM FLAT BAR 6061-T6511

2.00" X 8.00" X 48.0000"

B/O

9) Our Order PEC- 3954- 9 Your PO # 34861

ALUMINUM ROUND BAR 6061-T6511

1.00" DIA X 144.0000"

Heat Number

199496-12

Tag No

605730

Quantity

12 FT

PCS

1

Wt LBS

11

10) Our Order PEC- 3954- 10 Your PO # 34861

ALUMINUM ROUND BAR 6061-T6511

1.250" DIA X 144.0000"

Heat Number

201615894

Tag No

605731

Quantity

12 FT

PCS

1

Wt LBS

17

11) Our Order PEC- 3954- 11 Your PO # 34861

ALUMINUM SHEET 6061 T6

.0810 Nom X 48.0000" X 96.0000"

B/O

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

SHIP FROM:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: (1)
DART AEROSPACE

B I L L O F L A D I N G
No: PEC 25195
Ship Date 10Jan17 at 10:53 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

B I L L O F L A D I N G

TOTAL: Tags 9 PCS 11 LBS 414

Heat Number *** Chemical Analysis ***

166V
199496-12
201615894
201617200
201617706
2170514
409698
428558
AOA010-AAD

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL, 2 SKIDS GW. 507 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

***** TEL. 800-926-2600 *****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 3Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINIUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

B I L L O F L A D I N G

No: PEC 25195

Ship From:
THYSSENKRUPP MATERIALS NA
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Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

***UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***
***POUR VOS BESOINS D'ACIER INOXYDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 4 Last

ALUMINIUM - ALU MIN - CUIVRE - PLASTIQUE - ACIER INOX
ALUMINIUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444.968211 - Fax 0444.963836
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

Certificato nr. **MEST955824 / 2016** /
Profilo Tecnico

Stato di fornitura : Hot rolled - Annealed Cold Drawn
Lieferzustand
Delivery state
État de livraison

Produttore :
 Metallarteformline produzioni
STABILIMENTO DI BOLZANO

Tipo di Elaborazione: E+AOD

Marchi di Fabbrica:
Zeichen des Liefervertrages
Trade marks.
Sìglos de fàbrica productiva

Qualità:
Wunderschön

Punzone del Collaudatore:
 Stempel des Marktschwerwiegenden
 Inspector's stamp/Punzone de l'analyste

Marca: MV188ZHS MAXIVAL
Markenbezeichnung:
Brand / Marque:

Punzonatura: 303HS
Kernzeichnung
Mittig
Mittig

Sono state soddisfatte tutte le condizioni richieste.
Die gestellten Anforderungen sind i. Ansege erfüllt.
The material has been furnished in accordance with the requirements.
Le condizioni sono state soddisfatte conforme aux exigences.

Controllo antimescolanza: OK
Verwechslungsprüfung: spezialanalytisch durchgeführt
Ankündig testing performed: OK
Controllo antimescolanza test: T.3.3

Controllo visivo e dimensionale: soddisfa le esigenze
 Beschäftigt und Auswertung: ohne Beurlaubung
 Visual inspection and dimensional check: satisfactory
 Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy	No welding or weld repair	Material free from Mercury contamination
----------------------------------	---------------------------	--

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, ISO/TS16949 : 2009, AS 9100C

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 and 2014/68/EU by TÜEV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation
of applicable civil and criminal laws. Accielerie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
Maxival and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved
machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valturina SpA shall not be responsible for any improper use of the Products.

BBLOG6 - NEST 955824

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Il collaudatore di stabilimento / der Werksechverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2

STAINLESS STEEL ROUND BAR 304L
1.00" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Pg 1/1

Management Systems
Certified by
LRQA
ISO 9001 / SGI 6000368
ISO 14001 / SGI 18/0678

5

OLARRA

Trade Mark - Zeichen des Lieferwerkes
Anagrama del suministrador

Works Inspector Stamp - Werkssachverständiger
Señal del Inspector

Doc No. 235080 Indexed 9Jun16 by slssup1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0.480 Nom X 48.0000" X 120.0000"
PART NO.

PO/Rel 34861

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-025195-004

10Jan17
Pg 1/1

产品质量证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司
Wuxi Baochang Metal Products Co., Ltd

PAGE 2 OF 3

订单号码: BCGSC1110163
Order No.
订 货 方: GLOBAL STAINLESS STEEL INC.
Order
使用 厂 家: GLOBAL STAINLESS STEEL INC.
CONSIGNEE

品 名: COLD ROLLED STAINLESS
Commodity
STEEL SHEET
标 准: ASTM A240/A240M
Specification

DAS 48 171011
9-89
牌 号: 304
Type
表面加工: 2B
Surface Finish

编号: BCGSC11063
Invoice No.
发行日期: 2011-11-21
Date

产 品 尺 寸										拉 伸 试 验			化 学 成 分						
片号 No.	货物编号 Product No.	Product Size			数量 Number	重量 Weight Kg	Tensile Test			表面 硬度 Hardness HRB≤90	炉批号 HEAT NO.	Chemical Composition (%)							
		厚度 Thickness MM	宽度 Width MM	长度 Length MM			屈服强度 0.2% YS N/mm ² ≥ 205	抗拉强度 TS N/mm ² ≥ 520	延伸率 EL %≥45			C	Si	Mn	P	S	Ni	Cr	N
1	11112105	0.71-0.76	1219	3048	110	2280	302	678	34	186	2170514	0.0520	0.4030	1.0200	0.0370	0.0040	8.0600	18.0300	0.0400
2	11112106	0.81-0.9	1219	3048	65	2249	279	645	56	174	A21025402	0.0442	0.4611	1.1067	0.0425	0.0016	8.1165	18.1970	0.0493
3	11112107	1.1-1.2	1219	3048	54	2234	300	665	64.5	163	C2107119	0.0500	0.4900	1.0700	0.0270	0.0010	8.0500	18.1000	0.0455
4																			
5																			
6																			
7																			
8																			
9																			
10																			

备注 (Remarks) :

1. 尺寸和表面: 合格

Size and Surface : Guaranteed

兹证明所列产品均符合订单和标准的制造要求

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND SPECIFICATION

此报告仅可完全复制

技术本部

TECHNICAL DEPT.

上海宝钢有色金属有限公司

SHANGHAI BAODAO NON-FERROUS METALS CO., LTD.

11112105

备注 (Remarks):
1. 尺寸和表面: 合格
Size and Surface: Guaranteed

兹证明所列产品均符合订单和标准的制造要求
SPECIFICATION
此报告可完全复制

无锡宝昌金属制品有限公司
Wuxi Baochang Metal Products Co., Ltd

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0360 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 34861

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-025195-005

10Jan17
Pg 1/1

Signed by:



運昌鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO.

檢驗證明書

MILL TEST CERTIFICATE

刊印日期 ISSUE DATE : 2015/04/27

高雄市中區中正路235號13F
13F, No. 235 Jungfeng 4th Road, Chianjin
Chiou, Kaohsiung, Taiwan
TEL : 886-7-9695858 FAX : 886-7-9685768
http://www.yuenchang.com.tw

客戶名稱 Customer
Thyssenkrupp Steel Services
A Division Of Thyssenkrupp Materials Na Inc
22355 West Eleven Mile Road Southfield MI 48033 USA

商品描述 Desc
Of Goods
Description Of Goods And/Or Services:
Prime, Cold Rolled Stainless Steel Coil/Sheets, Sitted Edge, As Per ASTM A240/A480.
Grade 304, 2B Finish, Laser PVC On One Main Side, With Back Pass
Grade 304, 2B Finish, With Paper Interleaf

DAS
48 17 11
9.89

項目 Item	鋼捲編號 Coil No.	爐號 Heat Number(s)	鋼種 Steel Grade	表面 Finish	厚度 Thickness	產品尺寸 x Width x Length (INCH)	淨重 Net Weight (KGS)
AE004	CCBE0004-15	AOA010-AAD	304	2B	20GA	20GA x 48 x 96	1,158
AE005	CCBE0003-05	AOA010-AAD	304	2B	20GA	20GA x 48 x 96	189
	CCBE0004-14	AOA010-AAD	304	2B	20GA	20GA x 48 x 96	971
AE001	CCWR0007-22	AOA005-AAH	304	2B	16GA	16GA x 48 x 96	934
AE006	CCWR0007-23	AOA005-AAH	304	2B	16GA	16GA x 48 x 96	418
AE003	CCCS0396-29	ANJ033-AAF	304	NO.4	20GA	20GA x 48 x 120	1,411

化學成分 Chemical Composition / Chemical Analysis (%)									
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu
AE004	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270
AE005	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270
AE001	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270
AE006	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310
AE003	0.018	0.340	1.390	0.031	0.0054	18.200	8.030	0.074	0.270

22. 機械性質 Mechanical Properties					
T.S	V.S(0.2%)	Elong (%)	HB	HRB	HV
654	306	56.0			171.0
652	311	56.0			170.0
654	306	56.0			171.0
668	344	49.0			187.0
668	344	49.0			187.0
643	280	60.0			166.0

茲證明本廠所製產品，均依材料規格製造及試驗，並符合標牌之要求。
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.
The material described above is free from radiation contamination and mercury.
本廠所製產品均符合EN10204/Type 3.1認證。 Inspection certificate in accordance with EN10204/Type 3.1.
本廠所製產品均符合ASTM A240/A480標準要求。 All the above products conform to the requirements specified in ASTM A240.
WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.1.
THYSSENKRUPP MATERIALS NA PO PEC-263720, PEC-263821

YUEN CHANG STAINLESS STEEL CO., LTD.
David Wang
QC Manager

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.250" x 2.00" x 144.0000"
PART NO.

POR61 34861

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-025195-007

10Jan17
Pg 1/1

Certificate of Mill Test Results



Service Center Metals

5850 Quality Way
Prince George, VA 23875



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
278856	13

BILL TO ThyssenKrupp Materials NA-Concord ON	MANIFEST NUMBER 314603	DATE OF SHIPMENT 11/21/2016	CERTIFICATION ASTM-B221-14 StencilCont
SHIP TO ThyssenKrupp Materials NA-Concord ON	CUSTOMER PO PEC-279340	DATE OF SHIPMENT 11/21/2016	SPECIFICATION AMS-QQA-200/8 Rev-A
Quantity Certified 4,135 lbs 116pcs	CUSTOMER PART NUMBER MRB1792	DATE OF SHIPMENT 11/21/2016	
	DESCRIPTION 6061-T6511	DATE OF SHIPMENT 11/21/2016	
	DESCRIPTION MORB 1.250x2.000	DATE OF SHIPMENT 11/21/2016	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DEARS compliant.

Mechanical Properties

Tests Lot No.

6 201617706

10/13/16

Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
min 51.40 max 51.90	min 47.90 max 48.60	min 15.15 max 17.25

DAS
14
9-89
17/01/12

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source
1K160930C	201617706	6061	0.74	0.37	0.33	0.10	0.88	0.10	0.03	0.03	97.41	0.05	0.15		United States of America
1K160930Y	201617706	6061	0.74	0.37	0.32	0.10	0.88	0.09	0.03	0.03	97.44	0.05	0.15		United States of America
1K161006D	201617706	6061	0.72	0.37	0.31	0.10	0.90	0.10	0.03	0.03	97.43	0.05	0.15		United States of America

SCM products are melted and extruded in the USA

Print Date: 11/21/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
1.00" DIA X 14.0000"
PART NO.

PO/REL 34861

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-025195-009

10Jan17
Pg 1/1



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

BILL TO THYSSENKRUPP MATERIALS NA	CERT CODE: 9	DIE NUMBER S 9599	DATE OF SHIPMENT Nov/11/2016	EXTRUDEX ORDER NO. 199496 - 12	MANIFEST NO. 360252
SHIP TO THYSSENKRUPP MATERIALS NA	CUSTOMER PO PEC-278674	ATTEN 6061	SALES 76511	MADE IN CANADA	
SO DESCRIPTION 1" DIA	CUSTOMER PART NUMBER 9599-S	SALES FORBES DODWELL		CERTIFICATION ASTM B21-14 - AMS QQA 2008	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11	6061	Nov/09/2016	44.40	40.70	17.00	89.6, 89.7, 89.9	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Co	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Al	Other
3B4234	A.11	6061	0.6	0.15	0.2	0.03	0.86	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	Remainder

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

DAS
14
9-89
17/01/12

David Natale
Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
1.250" DIA X 144.0000"
PART NO.

PO/Rel 34861

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-025195-010
10Jan17
Pg 1/1



Can Do.

Service Center Metals

5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
272420	1

BILL TO ThyssenKrupp Materials NA-Concord, ON SHIP TO ThyssenKrupp Materials NA-Concord, ON Quantity Certified 2,129 lbs 123 pcs	MANIFEST NUMBER 309098 CUSTOMER NO PEC-277595 CUSTOMER PART NUMBER RD0008	DIE NUMBER RD0008 DATE OF SHIPMENT 9/29/2016 SALESPERSON D.Schroeder (Canada)	IDENTIFICATION ASTM-B221-14 StencilCont SPECIFICATION AMS-QQA-200/8 Rev-A
--	--	--	--

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
12	201615894	9/14/16	min 47.10 max 48.10	min 44.20 max 45.60	min 17.65 max 20.10

DAS
14
9-89
17/01/12

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source:
09051605	201615894	6061	0.76	0.34	0.30	0.09	0.84	0.10	0.06	0.02	97.49	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Print Date: 9/29/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 304L
375" DIA X 144.0000"
PART NO.

PO/Ref 34861

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-025195-002

10Jan17
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 232694 3
Customer: 007206 001
CONCORD, ON L4X5C6

SHIP TO:
THYSSENKRUPP MATERIALS
2821 LANCASTER ROAD
CONCORD, ON L4X5C6

Date: 10/28/2016 Page: 1
Steel: 304/304L
Finish: CD
Corrosion: ASTM A262-10 Prac A/E OK

Your Order: PEC278104

NAS Order: PN 0072161 02

PRODUCT DESCRIPTION

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A240/15
ASTM A276/15, ASTM A479/15, ASTM A382/13 CEN ONLY,
ASTM A276/13, ASME SA182/10 CEN ONLY
AMS 5639H, AMS 5647J, AMS QQS-763D, QQS-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAN 252.225-7009 BY DIRECTIVE
2011/65/EU-ROHS. EAF+ADD-CC. NO WELD REPAIR. WETTED AND MPG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

NAS
14
9-89 17/01/12

Product Id	Size # diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
B12910 1	.3750		990	144.00	13	1	

CHEMICAL ANALYSIS

CM(Country of Melt)

ES(Spain)

US(United States)

ZA(South Africa)

JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
166V	US	.0157	.1425	18.1035	.4625	1.3445	.3135	.0710	8.5005	.0305
	S %	SI %								
	.0270	.2695								

MECHANICAL PROPERTIES

Product Id	1 d 0 1 c r	HB No.	.2YS KSI	UTS KSI	RA %	ELONG % 2"
B12910 1	RL	206.0	81.73	106.42	71.29	39.45

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items of the test methods used, the material does not be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

10/28/2016

THYSSENKRUPP MATERIALS NA

DARL AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.00" x 4.00" x 14.0000"
PART NO.

PO:REL 34861

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-025195-006
10Jan17
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
272639	5

BILL TO
ThyssenKrupp Materials NA-Concord, ON
SHIP TO
ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 7.752 lbs 136 pcs

NAMEST NUMBER 310622
CUSTOMER PO PEC-277638
CUSTOMER PART NUMBER MRB1795

DIE NUMBER MRB1795
ALLOY-TENSILE 6061-T6511
DESCRIPTION MORB 1.000x4.000

DATE OF SHIPMENT 10/12/2016
SALESPERSON D. Schroeder (Canada)

CERTIFICATION
ASTM-B221-14 StencilCont
SPECIFICATION
AMS-QQA-2008 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

7 201617200

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
10/10/16	min 48.10 max 52.30	min 44.60 max 49.10	min 15.50 max 19.75

045
14
9-89
1710112

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Total	Melt Source:
09301604	201617200	6061	0.72	0.37	0.31	0.11	0.86	0.08	0.06	0.02	97.47	0.05	0.15	United States of America
1M160926C	201617200	6061	0.76	0.37	0.32	0.10	0.88	0.10	0.04	0.03	97.40	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Print Date: 10/12/2016

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S18GA
 DATE: 17/01/11

PO / BATCH NO.: P034861 / 136568

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 80
 QUANTITY INSPECTED: 80
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .050
 THICKNESS RECEIVED: .047
 SHEET SIZE ORDERED: 4x10
 SHEET SIZE RECEIVED: 4x10

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	304
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	.047
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	ASTM A270
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	Heat # 2170514
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	M304S18GA
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	M136568
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION INSPECTED BY: <u>48</u> DATE: <u>17/01/11</u>	ENGINEERING SIGNOFF (If required) SIGNED OFF BY: _____ DATE: _____
---	---

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ~~M136568~~ M304S20GA

PO / BATCH NO.: PO 34861 / M136568

DATE: 17/01/11

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .040

QUANTITY RECEIVED: 64

THICKNESS RECEIVED: .036

QUANTITY INSPECTED: 64

SHEET SIZE ORDERED: 4x8

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	304
CORRECT THICKNESS	(Y) N	.036
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	ASTM A240
CORRECT REF # TO LINK CERT	(Y) N	Heat # A0A016 - AAD
CORRECT MATERIAL IDENTIFICATION	(Y) N	M 304S20GA
CORRECT M# ON THE MATERIAL	(Y) N	136568
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: 48 48	SIGNED OFF BY:		
DATE: 17/01/11	DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061T6 R1.250
 DATE: 17/01/12

PO / BATCH NO.: 34861/136568

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.250
 THICKNESS RECEIVED: 1.250
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	<u>1.250</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>AMS QQ-A-200/8 ASTM B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	<u>HEAT # 201615894</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	<u>6061T6 R1.250</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	<u>M136568</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	DAS 14 9-89	SIGNED OFF BY: _____	
DATE: <u>17/01/12</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303 RD.500
DATE: 17/01/12

PO / BATCH NO 34861/136568

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED: 12'
QUANTITY REJECTED _____

THICKNESS ORDERED .500
THICKNESS RECEIVED .500
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	303
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	.500
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	HEATH 928558
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	M303 RD.500
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	M136568
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC-18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/12</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304 RD.375
DATE: 17/01/12

PO / BATCH NO 34861/136568

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED 12
QUANTITY INSPECTED: 12
QUANTITY REJECTED: _____

THICKNESS ORDERED: .375
THICKNESS RECEIVED: .375
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>304</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>.375</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ASTM A276</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEAT# 166V</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M304 RD.375</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M136568</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/12</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 4304 R1.000
DATE: 17/01/12

PO / BATCH NO 3486/136568

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED 12
QUANTITY INSPECTED 12
QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.000
THICKNESS RECEIVED: 1.000
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/>	N	
CORROSION	Y	<input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/>	N	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	304
CORRECT THICKNESS	<input checked="" type="radio"/>	N	1.000
PHOTO REQUIRED	Y	<input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	ASTM A276
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/>	N	HEAT# 409698
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/>	N	4304 R1.000
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/>	N	M136568
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/12</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL ML06ITL6 B1.00 X 4.00

PO / BATCH NO 34861/136568

DATE: 17/01/12

MATERIAL CERT REC'D yes
 QUANTITY RECEIVED 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>ML06ITL6</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>1.00</u>
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>AMS QQ-A-200/8 ASTM B21</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>HEAT # 201617200</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>ML06ITL6 B1.00 X 4.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>M136568</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 14</u> DATE: <u>17/01/12</u>		SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ML061TL6B2.00X1.25

PO / BATCH NO.: 34861/136568

DATE: 17/01/12

MATERIAL CERT REC'D YLS
 QUANTITY RECEIVED 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED _____

THICKNESS ORDERED 1.250
 THICKNESS RECEIVED 1.250
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>ML061TL6</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>1.250</u>
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>AMS QQ-A-200/8 ASIM B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>HEAT# 201617706</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>ML061TL6B2.00X1.25</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>M136568</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	DAS 14 9-09	SIGNED OFF BY: _____	
DATE: <u>17/01/12</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M606ITL R1.00
DATE: 17/01/12

PO / BATCH NO 34861/136568

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 12'
QUANTITY INSPECTED: 12'
QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
THICKNESS RECEIVED: 1.00
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>M606ITL</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	<u>1.00</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	<u>AMS QQ-A-200/8 ASTM B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	<u>HEAT# 199496-12</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	<u>M606ITL R1.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	<u>M136568</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/12</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017

PO Print Date 1/6/2017

Page Number 1 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

JAN 06 2017

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.500 ✓ MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE	303 Round Bar 0.500"	1/12/2017 Yes 1/12/2017		12.00 ✓ f	\$4.58 ✓	\$55.00
Line Total:							\$55.00
2	M304R0.375 ✓ MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: AISI 303 NOT ACCEPTABLE)	304 ROUND BAR 0.375 ✓	1/12/2017 Yes 1/12/2017		12.00 ✓ f	\$4.58 ✓	\$55.00
Line Total:							\$55.00

SPT-01-11

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34861

Purchase Order Date 1/6/2017

PO Print Date 1/6/2017

Page Number 2 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

3 M304R1.000 304 round bar 1.00 1/12/2017
Yes
1/12/2017

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

M304R1.000 1/12/2017
1/12/2017

0.00 \$0.00 \$0.00
f

12.00 \$8.20 \$98.35
f

Line Total: \$98.35

4 M304S18GA 304/316 .050 Sheet 1/12/2017
Yes
1/12/2017

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR ~~AMS 5524 (316)~~
ORASTMA240
OR ASME SA240

80.00 \$3.99 \$318.93
sf

Line Total: \$318.93

Note:

1/6/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34861

Purchase Order Date 1/6/2017

PO Print Date 1/6/2017

Page Number 3 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

5 M304S20GA 304/316 .040 Sheet 1/12/2017
Yes
1/12/2017

64.00 \$4.25 \$272.27
sf

PURCHASE MATERIAL: AIS1 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$272.27

6 M6061T6B1.000X04.000 6061-T6 Bar 1.00 x 4.00 1/12/2017
Yes
1/12/2017

12.00 \$11.25 \$135.00
f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$135.00

Note:

1/6/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017

PO Print Date 1/6/2017

Page Number 4 of 7

Order From :
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

VC-COP001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

7 M6061T6B2.000X01.250 ✓ 6061-T6 Bar 2.00 x 1.25 ✓ 1/12/2017
Yes
1/12/2017

12.00 ✓ \$7.20 \$86.40
f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

SP17-a-11

Line Total: \$86.40

8 M6061T6B2.000X08.000 ✓ 6061-T6 BAR 2.00' X 8.00" (CUT IN 4FT SECTION) 1/12/2017
No
1/12/2017

8.00 B/O \$51.68 \$413.40
f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$413.40

Note:

1/6/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34861

Purchase Order Date 1/6/2017

PO Print Date 1/6/2017

Page Number 5 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Chantal Lavoie

9 M6061T6R1.000 ✓ ROUND BAR 1.00" ✓ 1/12/2017
Yes
1/12/2017

12.00 ✓ \$4.58 \$55.00
f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

SP17-01-11

Line Total: \$55.00

10 M6061T6R1.250 ✓ 6061-T6 Round Bar 1.250 ✓ 1/12/2017
Yes
1/12/2017

12.00 ✓ \$4.58 \$55.00
f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

SP17-01-11

Line Total: \$55.00

11 M6061T6S.080 ✓ 6061-T6 .080 Sheet 1/12/2017
Yes
1/12/2017

128.00 ✓ \$3.99 \$511.00
sf 310

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017

PO Print Date 1/6/2017

Page Number 6 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$511.00

12	M7075T6B7.000X2.000	7075-T6 BAR 7.000" X 2.000" (order in billets - 13.375")	1/12/2017	6.70	\$106.12	\$711.00
			Yes 1/12/2017	f		

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

6 PCS CUT AT 13.375" = TO 6.70 FT

Line Total: \$711.00

13	M7075T6B3.000x04.000	7075-T6 BAR 3.000' X 4.000" grain along 3"	1/19/2017	12.00	\$82.50	\$990.00
			Yes 1/19/2017	f		

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE


NOTE: GRAIN DIRECTION ALONG 3"

CANCEL

Line Total: \$990.00

Note:

1/6/2017



Dart Aerospace Ltd.
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Hawkesbury, ON K6A 1K7
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Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34861

Purchase Order Date 1/6/2017
PO Print Date 1/6/2017

Page Number 7 of 7

Order From :
VC-COP001

Ship To :
DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer		Chantal Lavoie		
Vendor Phone		Customer POID				
		Customer Tax #		10127-2607		
Ship To Contact		Terms		Net 30		
Ship To Phone		Currency		CAD		
Ship Via:		FOB		FCA – (Free Carrier)		
Ship Acct:						
4	71401-45	PROCUREMENT QUALITY CLAUSES	1/12/2017	1.00	\$0.00	\$0.00
			No			
Procurement Quality Clauses			1/12/2017			
A005 right of entry						
A012 chemical and physical test report						
A016 personnel qualification						
A017 raw material identification (as applicable)						
A026 certification of material conformance						
A041 quality management system						
A042 dart notification by supplier						
A043 retension of quality documents						

Line Total: \$0.00

PO Total: \$3,756.35




Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.